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51 L17

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L16 L15 and remote\$

66 L16

L15 L1 and l5

97 L15

DB=JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

L14 L13 and remote\$

0 L14

L13 L11 and debug\$

32 L13

L12 L11 and (test near (suite or bed or script or case))

3 L12

L11 display\$ near (error or (exception near condition))

3330 L11

DB=USPT,PGPB; PLUR=YES; OP=ADJ

L10 L9 and remote

66 L10

L9 L8 and l2

168 L9

L8 L7 or l6 or l5 or l4

6915 L8

L7 display\$ near2 (exception near condition)

19 L7

L6 display\$ near2 (exception near condition)

19 L6

L5 display\$ near (error or (exception near condition))

6898 L5

L4 display\$ near (fatal error or (exception near condition))

9 L4

L3 fatal error or (exception near condition)

3593 L3

L2 test near (suite or bed or script or case)

11015 L2

L1 exception near handl\$

3126 L1

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L13	(exception near condition) or error	768673	L13
<i>DB=JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
L12	exception near condition	204	L12
<i>DB=USPT,PGPB; PLUR=YES; OP=ADJ</i>			
L11	L10 and second computer	0	L11
L10	L9 and remot\$	28	L10
L9	L6 and test near (suite or bed or script)	29	L9
L8	L6 and test near (suite or bed)	26	L8
L7	L6 and test near (suit or bed)	0	L7
L6	L5 and l1	581	L6
L5	exception near condition	2390	L5
L4	L2 and (display\$ near exception)	8	L4
L3	L2 and ((display\$ or log\$) near exception)	77	L3
L2	L1 and test\$	1755	L2
L1	exception near handl\$	3126	L1

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6 documents found. Order: citations weighted by year.

[A Debugger for Standard ML - Tolmach, Appel \(1993\) \(Correct\) \(11 citations\)](#)

store update operations to maintain a history **log log** entries use special "weak" pointers so that it includes support for breakpoints, value **display**, and call traceback. To implement these within the source-language model. The only **exception** is a carefully controlled violation of the type

www.cs.princeton.edu/~appel/papers/debugger.ps

One or more of the query terms is very common - only partial results have been returned. Try [Google \(RI\)](#).[Experiments with a Weakly Stable Algorithm for Computing... - Cabay, Jones \(1997\) \(Correct\) \(1 citation\)](#)

al. 1996a Cabay et al. 1992]and superfast $O(kn \log 2 kn)$ cf.Beckermann and Labahn 1994 Cabay notice on the first page or initial screen of a **display** along with the full citation. Copyrights for 1987]the fast and superfast methods, with one **exception**, can encounter problems with numerical

menaik.cs.ualberta.ca/pub/cabay/experiments_pade_alg.ps.Z

[What Would It Cost Us to - Insist On Being \(1997\) \(Correct\)](#)

an n-element state at the cost of a factor of just **log 2 (n)**To see this, view the reference mechanism

```

a end val bin =fn :int list ->int array -fun display (a:int array) let fun f n =if n <length a
type dict =string *int ref)list ref exception NotFound fun empty (dict =ref nil fun lookup

```

www.cs.pdx.edu/~apt/cs457_1997/lecture10.ps

[Evaluation of the Message Passing Interface Standard for the .. - Authors Touchard \(Correct\)](#)

while providing ways to filter, forward, **display** and **log** these messages. Such messages could be commands

messages while providing ways to filter, forward, **display** and **log** these messages. Such messages could be

are implementation dependent, with the obvious **exception** of MPI_SUCCESS. 4 MPI implementations 4.1

atddoc.cern.ch/Atlas/Notes/./postscript/Note011.ps

[PVS System Guide - Version September \(Correct\)](#)

.67 5.2.4 The Log File .

.25 3.9 Displaying Proof Information .

pvs.csl.sri.com/doc/pvs-system-guide.ps.gz[IDebug: An Advanced Debugging Framework for Java - Kiniry \(1998\) \(Correct\)](#)

virtual machine contexts and debug information **logging** with a variety of networking media including

with A, and printing debugging information on B's **display** might not be useful or possible, B must **log**

and categories, stack traces, and specialized **exceptions**. Debugging functionality can be fine-tuned to a

www.cs.caltech.edu/~kiniry/projects/papers/kiniry/Thesis_Public/IDebug.ps

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1 2

- 1 [The use of program profiling for software maintenance with applications to the year 2000 problem](#) 80%

Thomas Reps , Thomas Ball , Manuvir Das , James Larus

ACM SIGSOFT Software Engineering Notes , Proceedings of the 6th European conference held jointly with the 5th ACM SIGSOFT international symposium on Foundations of software engineering November 1997

Volume 22 Issue 6

- 2 [DVM: an object-oriented framework for building large distributed Ada systems](#) 80%

Christopher J. Thompson , Vincent Celier

Proceedings of the conference on TRI-Ada '95: Ada's role in global markets: solutions for a changing complex world November 1995

- 3 [Surveying current research in object-oriented design](#) 77%

Rebecca J. Wirfs-Brock , Ralph E. Johnson

Communications of the ACM September 1990

Volume 33 Issue 9

The state of object-oriented is evolving rapidly. This survey describes what are currently thought to be the key ideas. Although it is necessarily incomplete, it contains both academic and industrial efforts and describes work in both the United States and Europe. It ignores well-known ideas, like that of Coad and Meyer [34], in favor of less widely known projects. Research in object-oriented design can be divided many ways. Some research is focused on describing a design process. ...

- 4 [Specification-based regression test selection with risk analysis](#) 77%


Yanping Chen , Robert L. Probert , D. Paul Sims

Proceedings of the 2002 conference of the Centre for Advanced Studies on Collaborative research September 2002

Regression testing is essential to ensure software quality. The test team applies a regression test suite to ensure that new or modified features do not regress (make worse) existing features. Although existing research has addressed many problems and put forward solutions, most regression test techniques are *code-based*. *Code-based* regression test selection is good for unit testing, but it has a scalability problem. When the size of the subject under test grows, it becomes hard to ...

5 Static array storage optimization in MATLAB

77%

 Pramod G. Joisha , Prithviraj Banerjee

ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN 2003 conference on Programming language design and implementation June 2003

Volume 38 Issue 5

Static array storage optimization in MATLAB.

6 Technical papers: program analysis: Whole program Path-Based dynamic impact analysis


77%

 James Law , Gregg Rothermel

Impact analysis, determining when a change in one part of a program affects other parts of the program, is time-consuming and problematic. Impact analysis is rarely used to predict the effects of a change, leaving maintainers to deal with consequences rather than working to a plan. Previous approaches to impact analysis involving analysis of call graphs, and static and dynamic slicing, exhibit several tradeoffs involving computational expense, precision, and safety, require access to source code ...

7 The category-partition method for specifying and generating functional tests

77%

 T. J. Ostrand , M. J. Balcer


Communications of the ACM June 1988

Volume 31 Issue 6

A method for creating functional test suites has been developed in which a test engineer analyzes the system specification, writes a series of formal test specifications, and then uses a generator tool to produce test descriptions from which test scripts are written. The advantages of this method are that the tester can easily modify the test specification when necessary, and can control the complexity and number of the tests by annotating the tests specification with constraints.

8 PLI workshops: World-class product certification using Erlang

77%

 Ulf Wiger , Gösta Ask , Kent Boortz

ACM SIGPLAN Notices December 2002

Volume 37 Issue 12

It is now ten years ago since the decision was made to apply the functional programming language Erlang to real production projects at Ericsson. In late 1995, development on the Open Telecom Platform (OTP) started, and in mid 1996 the AXD 301 project became the first user of OTP. The AXD 301 Multi-service Switch was released in October 1998, and later became "the heart of ENGINE", Ericsson's leading Voice over Packet solution. In those early days of Erlang programming, high-level tools for develo ...

- 9 World-class product certification using Erlang 77%
4 Ulf Wiger , Gösta Ask , Kent Boortz
Proceedings of the 2002 ACM SIGPLAN workshop on Erlang October 2002
It is now ten years ago since the decision was made to apply the functional programming language Erlang to real production projects at Ericsson. In late 1995, development on the Open Telecom Platform (OTP) started, and in mid 1996 the AXD 301 project became the first user of OTP. The AXD 301 Multi-service Switch was released in October 1998, and later became "the heart of ENGINE", Ericsson's leading Voice over Packet solution. In those early days of Erlang programming, high-level tools for develo ...
- 10 Development of a distributed, cross-platform simulator 77%
4 Thomas C. Brooke
Proceedings of the 2002 annual ACM SIGAda international conference on Ada: The engineering of correct and reliable software for real-time & distributed systems using Ada and related technologies December 2002
In developing real-time mission control software for terminals in a large satellite communications system, my team realized that a script-based stimulus/response tool was inadequate for developmental testing and training. As an initial proof-of-concept, we first designed a monolithic, single-user system simulator for engineering development. During the project, the requirements expanded to include the addition of a multi-user, cross-platform capability, and later distribution in a two-tier clien ...
- 11 A comparison of automatic parallelization tools/compilers on the SGI origin 2000 77%
4 Michael Frumkin , Michelle Hribar , Haoqiang Jin , Abdul Waheed , Jerry Yan
Proceedings of the 1998 ACM/IEEE conference on Supercomputing (CDROM) November 1998
Porting applications to new high performance parallel and distributed computing platforms is a challenging task. Since writing parallel code by hand is time consuming and costly, porting codes would ideally be automated by using some parallelization tools and compilers. In this paper, we compare the performance of three parallelization tools and compilers based on the NAS Parallel Benchmark and a CFD application, ARC3D, on the SGI Origin2000 multiprocessor. The tools and compilers compared inclu ...
- 12 Parallel program debugging with on-the-fly anomaly detection 77%
4 Robert Hood , Ken Kennedy , John Mellor-Crummey
Proceedings of the 1990 ACM/IEEE conference on Supercomputing November 1990
We describe an approach for parallel debugging that coordinates static analysis with efficient on-the-fly access anomaly detection. We are developing on-the-fly instrumentation mechanisms for the structured synchronization primitives of Parallel Computing Forum (PCF) Fortran, the emerging standard for parallel Fortran. For programs without nested parallelism, it is possible to bound the cost of detection to a small constant at each shared access and thread creation point---in preliminary experim ...
- 13 Simplifying failure-inducing input 77%
4 Ralf Hildebrandt , Andreas Zeller
ACM SIGSOFT Software Engineering Notes , Proceedings of the International Symposium on Software Testing and Analysis August 2000
Volume 25 Issue 5

Given some test case, a program fails. Which part of the test case is responsible for the particular failure? We show how our delta debugging algorithm generalizes and simplifies some failing input to a minimal test case that produces the failure. In a case study, the Mozilla web browser crashed after 95 user actions. Our prototype implementation automatically simplified the input to 3 relevant user actions. Likewise, it simplified 896~li ...

14 Broad-spectrum studies of log file analysis

77%


 James H. Andrews , Yingjun Zhang

Proceedings of the 22nd international conference on Software engineering June 2000

This paper reports on research into applying the technique of log file analysis for checking test results to a broad range of testing and other tasks. The studies undertaken included applying log file analysis to both unit- and system-level testing and to requirements of both safety-critical and non-critical systems, and the use of log file analysis in combination with other testing methods. The paper also reports on the technique of using log file analyzers to simulate the software under t ...

15 Evolutionary design of complex software (EDCS) demonstration days 1999

77%

 Wayne Stidolph


ACM SIGSOFT Software Engineering Notes January 2000

Volume 25 Issue 1

This report summarizes the Product/Technology demonstrations given at Defense Advanced Research Projects Agency (DARPA) Evolutionary Design of Complex Software (EDCS) Program Demonstration Days, held 28-29 June 1999 at the Sheraton National Hotel, Arlington, VA.

16 Profiling, performance, and perfection (tutorial session)


77%

 Robert Bernecky

Proceedings of the ACM/SIGAPL conference on APL as a tool of thought (session tutorials) August 1989

17 Ada conformity assessments: a model for other programming languages?

77%

 Michael Tonndorf


ACM SIGAda Ada Letters , Proceedings of the 1999 annual ACM SIGAda international conference on Ada September 1999

Volume XIX Issue 3

This paper presents the actual status of Ada Conformity Assessments after the transition of Ada Conformity Assessments from the Ada Joint Program Office to ISO. The principles of Ada Conformity Assessments according to the ISO/IEE Final Committee Draft 18009 are summarized and the commonalties and differences to the previous practices are discussed. In the main part of the work conformity assessments for Ada C, C++, and Java are compared. It is shown that the process as practiced with Ada is uni ...

18 An integrated test center for SL-10 packet networks

77%

 M. W. A. Hornbeek

ACM SIGCOMM Computer Communication Review , Proceedings of the ninth symposium on Data communications September 1985

Volume 15 Issue 4

The sheer scale and complexity of large data networks makes testing them a daunting task. System commissioning, release acceptance, network troubleshooting, performance testing, host conformance testing, and certification are all operational activities that involve testing. Packet switching systems typically provide built-in features to help with hardware level test operations such as modem loopback commands, system failure alarms and system selftests. However, testing system and protocol l ...

19 Software process validation: quantitatively measuring the correspondence of a process to a model 77%

Jonathan E. Cook , Alexander L. Wolf

ACM Transactions on Software Engineering and Methodology (TOSEM) April 1999
Volume 8 Issue 2



To a great extent, the usefulness of a formal model of a software process lies in its ability to accurately predict the behavior of the executing process. Similarly, the usefulness of an executing process lies largely in its ability to fulfill the requirements embodied in a formal model of the process. When process models and process executions diverge, something significant is happening. We have developed techniques for uncovering and measuring the discrepancies between models and executio ...

20 Dynamically discovering likely program invariants to support program evolution 77%

Michael D. Ernst , Jake Cockrell , William G. Griswold , David Notkin

Proceedings of the 21st international conference on Software engineering May 1999

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Compcon '97. Proceedings, IEEE , 23-26 Feb. 1997

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1 **LIPS III-a solar cell test bed in space**

Severns, J.G.; Hobbs, R.M.; Elliot, N.P.; Towsley, R.H.; Conway, R.W.; Virshup, G.F.;

Photovoltaic Specialists Conference, 1988., Conference Record of the Twentieth IEEE, 26-30 Sept. 1988

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Digital Avionics Systems Conference, 1990. Proceedings., IEEE/AIAA/NASA 9th, 15-18 Oct. 1990

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3 **A 622 Mb/s line terminator for the ATM network**

Diaz Nava, M.; Bulone, J.; Belot, D.; Dugoujon, L.;

Solid-State Circuits Conference, 1993. Digest of Technical Papers. 40th ISSCC., 1993 IEEE International, 24-26 Feb. 1993

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Proceedings of the IEEE 1994 National , 23-27 May 1994

Page(s): 259 -266 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(540 KB\)\]](#) **IEEE CNF****2 Wavelength uniformity of 1.3 μm GaInAsP/InP distributed Bragg reflector lasers with hybrid beam/vapour epitaxial growth***Koch, T.L.; Corvini, P.J.; Koren, U.; Tsang, W.T.;*

Electronics Letters , Volume: 24 Issue: 13 , 23 June 1988

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